

SYSTEM AND METHOD FOR MANAGING DISPARATE VIDEO NETWORK
DEVICES THROUGH OBJECTS

ABSTRACT OF THE INVENTION

5 A system and method for accessing and managing
disparate video network devices supports a user interface
with an interface protocol communicating through a
management adapter. The management adapter communicates
10 with a device access layer that represents video network
devices as objects, such as Management Beans, with a
class of objects associated with a type of device. The
objects translate communications from the management
15 adapter into a protocol and attributes native to the
device to allow the management adapter access to device
attributes, which are then available to the user
interface via the interface protocol. The device access
layer thus establishes a proxy relationship so that video
20 network devices are more easily interacted with and
managed by applications communicating through the
management adapter by a uniform protocol. The object
attributes provide variables for the dynamic creation of
a management information base associated with a device
that aids a management application's management of
disparate devices.